

REACTIONS OF C_1 , C_2 , C_3 , C_4

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Evaporation of graphite has been carried out producing the following species in proportions which vary with the method of vaporization and ageing.

C_1	3_p , 1_p , 1_s
C_2	Triplet, Singlet
C_3	Singlet, Triplet
C_4	

The reactions of these species, with a range of substrates in condensed phase (low temperature) will be reported: alkanes, cycloalkanes, alkenes, alkynes, alcohols, aldehydes, ketones, epoxides, alkyl halides.